

0/500112

Atty. Dkt. No. 028567-0133

DT04 Rec'd PCT/PTO 25 JUN 2004

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Yasuo UEMURA et al.

Title: RNA SEQUENCE ANALYZER, AND RNA SEQUENCE ANALYSIS  
METHOD, PROGRAM AND RECORDING MEDIUM

Appl. No.: Unassigned

Filing Date: 06/25/2004

Examiner: Unassigned

Art Unit: Unassigned

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56. A copy of each listed document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

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**TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(b), within three (3) months of the date of entry of the national stage as set forth in 37 CFR §1.491.

**RELEVANCE OF EACH DOCUMENT**

The relevance of documents A3-A5 is described in the present specification.

Documents A1 and A2 were cited in the International Search Report in Applicants' International Application PCT/JP03/00011. A copy of the International Search Report setting forth the portion of each reference considered relevant by the examiner is attached. An English translation of foreign-language A1 is provided herewith.

Applicants respectfully request that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

By 

Date June 24, 2004

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  Date Submitted: June 25, 2004  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b> Application Number: Unassigned <b>0/500112</b> Filing Date: 06/25/2004 First Named Inventor: Yasuo UEMURA Group Art Unit: Unassigned Examiner Name: Unassigned Attorney Docket Number: 028567-0133	
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U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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FOREIGN PATENT DOCUMENTS								
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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
	A1	T. Yoshizawa et al., "Developing RNA Secondary Structure Prediction Support System", Japanese Society for Artificial Intelligence, March 28, 1998, pages 29-35, with English Translation, pages 1-11.	
	A2	Y. Uemura et al., "Grammatically Modeling and Predicting RNA Secondary Structures", Proceedings Genome Informatics Workshop, Series No. 6, Dec. 11, 1995, pages 67-76.	
	A3	Y. Uemura et al., "Tree Adjoining Grammars for RNA Structure Prediction", Theoretical Computer Science 210, (1999), pages 277-303.	
	A4	E. Rivas et al., "The Language of RNA: a formal grammar that includes pseudoknots", Bioinformatics, Vol. 16, No. 4, 2000, pages 334-340.	
	A5	M. Zucker, "Prediction of RNA Secondary Structure by Energy Minimization", Institute for Biomedical Computing, July 8, 1996, pages 1-32.	

Examiner Signature	Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.